ervice Mar

Mini Cassette

RQ-L340

(K)····· Black Type

Area



Mini Cassette Recorder

SPECIFICATIONS

Power Requirement: Battery; 3V (two "AA" size, R6/LR6

batteries)

AC; with optional Panasonic

AC adaptor RP-AC31

Motor:

Electric governor motor 400mW (R.M.S. max) Power Output:

Frequency Response: 180~6,000Hz (Normal)

Recording System: AC bias, Magnet erase

Tape Speed:

4.8cm/s

Monitor System:

Jack; Input:

Output:

Program Time:

Speaker:

Dimensions:

Weight:

Track System:

Variable

1 hour with C-60 cassette tape

DC IN; 3V (♦-G-♦)

MIC; 0.25mV (150-600 Ω)

MONITOR; 8Ω, φ3.5

4.5cm PM dynamic speaker(8 Ω)

 $115.3(W) \times 88(H) \times 35(D)$ mm

218g without batteries

2-track monaural recording and

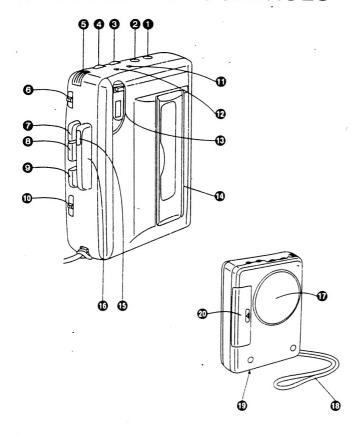
playback

Notes:

- 1. Weights and dimensions shown are approximate.
- 2. Design and specifications are subject to change without notice.

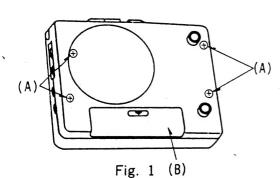
Panasonic

■ LOCATION OF CONTROLS



- 1 Monitor jack [MONITOR (8Ω)]
- 2 Microphone jack (MIC) 0.25mV, $200\sim600$ Ω
- **❸** Volume/VAS level control (VOLUME/VAS LEVEL)
- 4 Tape speed control (TAPE SPEED)
- 6 Built-in microphone (MIC)
- 6 Tone/sound level equalizer switch (TONE/SLE)
- Rewind/review button (REW/REV)
- 3 Fast forward/cue button (FF/CUE)
- (STOP)
- VAS/pause switch (VAS/PAUSE)
- 1 Recording/battery check indicator (REC/BATT)
- P Sound level equalizer indicator (SLE)
- 13 Tape counter and reset button (COUNTER)
- 1 Cassette compartment cover
- B Record button (REC)
- 1 Playback button (PLAY)
- **T** Speaker (4.5 cm, 8Ω)
- (B) Hand strap
- Battery compartment cover

■ DISASSEMBLY INSTRUCTIONS



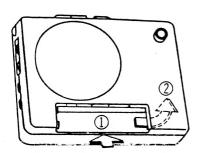
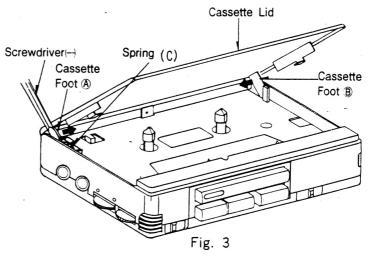


Fig. 2

• Removal of the Rear Cabinet

- 1. Remove the screws (A) (2×10) mm $\times4$
- 2. Open the battery cover (B)×1
- 3. Remove the rear cabint in the direction of arrow() &(2)

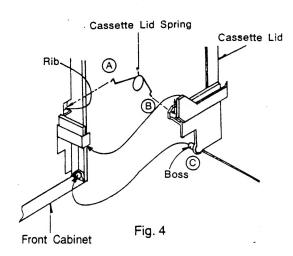


● How to Removal of the Cassette Lid

Note: Be careful not to break cassette foots (a) and (B) when removing the cassette lid.

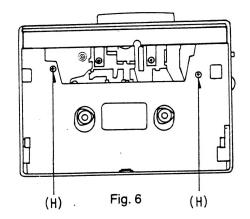
- 1. Open the cassette lid.
- 2. With a screwdriver, push cassette foot (A) to the right as shown in Fig. 3, and then pull out the right side of the cassette lid.
- 3. Push cassette foot (B) to the left and then pull out the cassette lid.
- 4. Remove the spring. (C) \times 1.

RQ-L340 RQ-L340



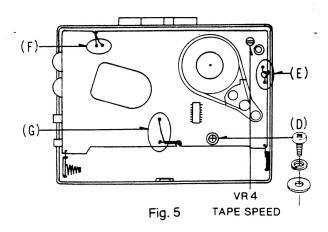
●How to Replace the Cassette Lid Spring

Fit Part (A) on the rib of the front cabinet.
 Insert part (B) in the hole in the cassette lid.
 Fit the boss (C) in the front cabinet.



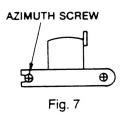
Removal of the Front Cabinet and Mechanism (Fig. 6).

1. Remove the deck screws (H) (2×6) mm $\times 2$.



• Removal of the Circuit Board (Fig. 5)

- 1. Remove the chassis screw (D) (2×16) mm $\times1$.
- 2. Remove the solder (E), (F), (G) from flexible PCB.



■ MEASUREMENT AND ADJUSTMENTS

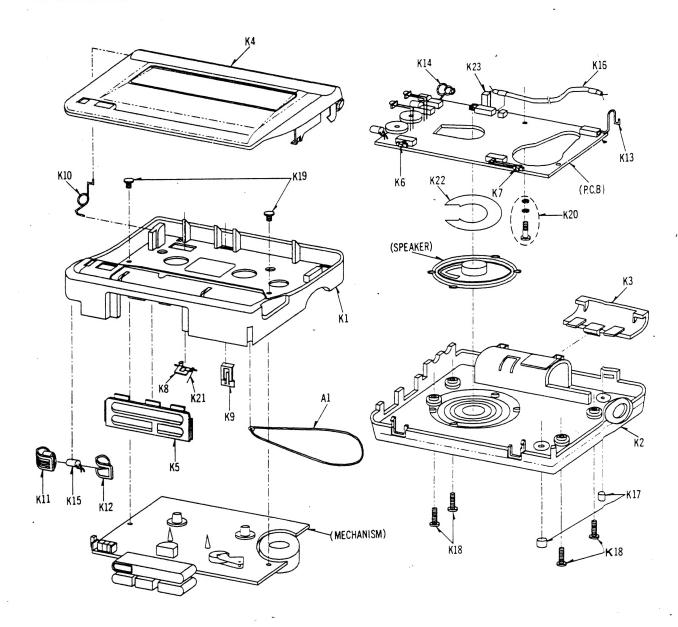
• ALGNMENT INSTRUCTION

	ALGINIEITI IIIGIIIG	
	READ CAR	EFULLY BEFORE ATTEMPTING ALIGNMENT
÷	Set volume control to maximum. Set power source voltage to 3V DC. Set TONE/SLE switch to OFF.	4. Set tape speed VR center point.5. Make sure head are clean.6. Make sure capstan and pinch roller are clean.

• MEASUREMENT AND ADJUSTMENTS

WILAGOTEMENT AND ADDOCTOR					
ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
Head azimuth	QZZCSX (6.3kHz,-10dB)	Monitor jack (8 Ω)	Maximum output	Head adjustment screw (See Fig. 7)	For tape playback
Tape speed	QZZCWAT (3kHz,-10dB)	Monitor jack (8 Ω)	3000 ± 50Hz	VR4 (Tape speed adjust- ment VR) (see Fig. 5)	For tape speed adjustment: (1)Play back test tape. (2)Adjust VR4 until a counter reading within the specified tolerances is obtained.

■CABINET PARTS LOCATION



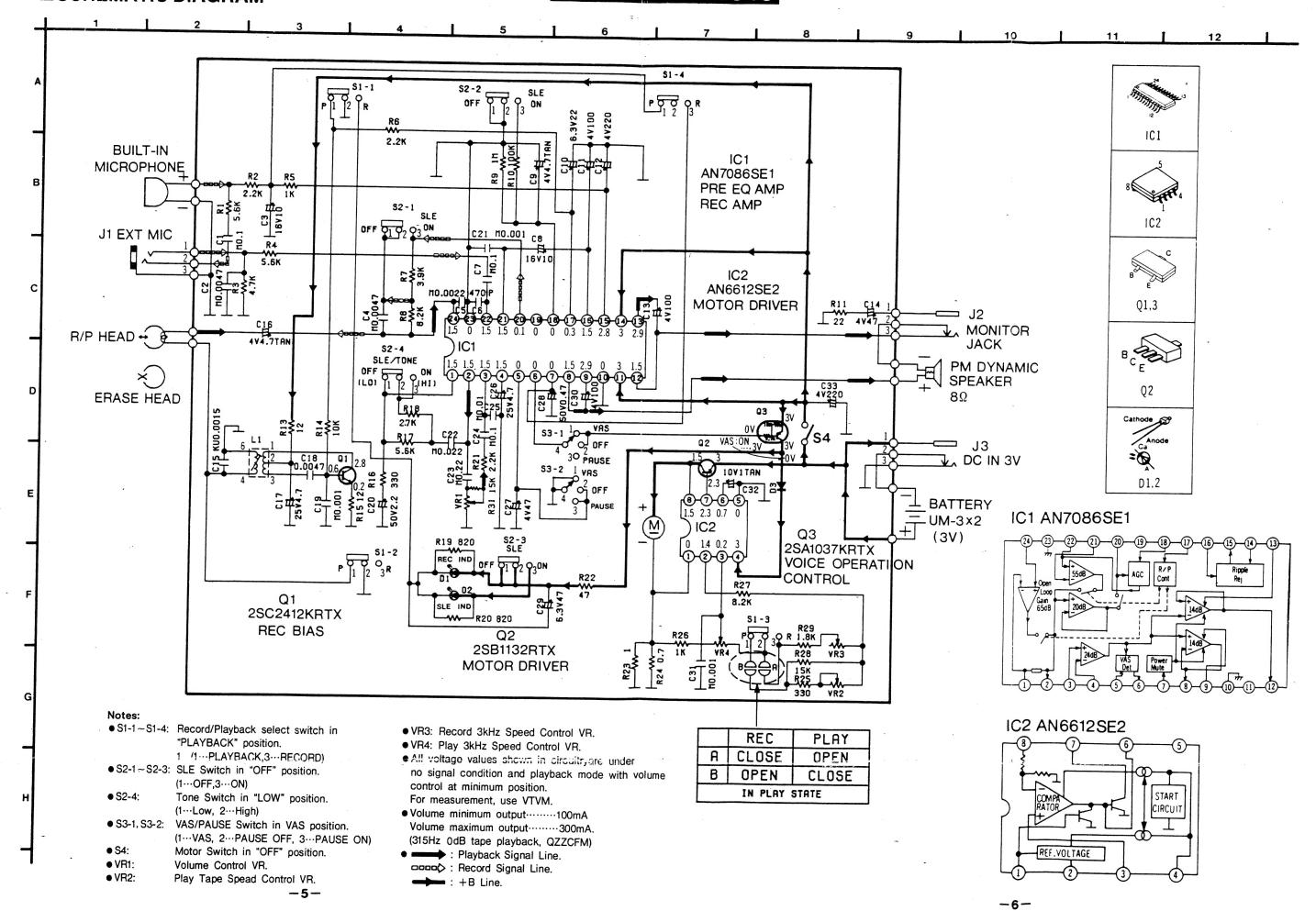
■ REPLACEMENT PARTS LIST

Indicates parts that are supplied by TAMACO

Ref. No.	Parts No.	Parts Name & Description	Ref. No.	Parts No.	Parts Name & Description
	CABINET	PARTS	K17 🗉	RHG250TZA	Gum (LEG)
K1 🗹	RFKKQL340PAK	Front Cabinet Ass'y	K18	XTNR2+10CFZ	Screw
K2 1	RKF275TYA	Rear Cabinet	K19 🖸	XTN17+4.5FFK	Screw
K3 🗹	RKK236TZA	Battery Cover	K20 🗓	XYC2+JF16FN	Screw (P.W.B. & Earth)
K4 🛈	RFKLQL340EAK	Cassette Cover Ass'y	K21 🗉	RUS271TZA	Safety Lever Spring
K5 団	RKE213TZA	Sky Cabinet	K22 🗉	RMX231TZA	PVC Sheet
K6 团	RBD267TZA	TON/SLE Knob .	K23 🗉	RHG245TZA	GUM
K7 🗖	RBD268TZA	VAS/PAUSE Knob			
K8 🗹	RHE206TZA	Safety Lever (REC)	1	ACCE	SSORY
K9 🗇	RUS270TZA	Tape Spring	Al 🗉	RKH91ZA0	Handle Strap
K 10 🗇	RUS269TZA	Cassette Cover Spring	A2 T	RQTT0003-E	Instruction Manual
K11 🗇	RGX297TZA	MIC Ornament		PACKING	MATERIALS
K 12 🗇	RHG249TZA	MIC Gum (BIG)	P1 🗇	RPNT0003	Blister Front
K13 🛈	RJC305TZA	Battery Terminal (+)	P2 🗉	RPNT0004	Blister Rear
K14 🗉	RJC306TZA	Battery Terminal ()	P3 🗇	RPKT0003	Decoration Box
K15 🗹	ZP01L340P	MIC ASS'Y	P4 🗉	RPFT0001	Polyethylene Cover
K16 🗹	ZD01L340P	Head Wire Ass'y			

SCHEMATIC DIAGRAM

RQ-L340 RQ-L340



RQ-L340 RQ-L340

CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM 10 REPLACEMENT PARTS LIST J1 Indicates parts that are supplied by TAMACO. MONITOR EXT MIC Parts Name & Description TAPE SPEED Parts No. VOL/VAS SPEAKER INTEGRATED CIRCUIT, TRANSISTORS AND DIODES EAS45P301TA AN7086SE1 AN6612SE2 I.C. Power/PRE EQ Amp I.C. Power Amp 2SC2412KRTX 2SB1132RTX Transistor Push Switch (R/P) Slide Switch RSH2D20YA-Q S1 II S2 II S3 Transistor RSS2D011-K 2SA1037KRTX Transistor EL134HD Diode (LED) ESD11H230 Slide Switch

TONE/SLE

S4 MOTOR

SWITCH

VAS/PAUSE

-S2-2

tosa (O)

VR4

BRN

R/P HEAD

MOTOR

RED

BLK

-7 -

SPEAKER

NOTE: 8Ω TAPE SPEED

ADJUST POINT B POINT-

A POINT-

PLAY / RECORD

BATTERY

UM-3×2

(3V)

S1-21 3) 3

J3 DC IN

Notes:

1. The circuit shown in () on the conductor indicates printed circuit on the back side of the printed circuit board.

EL134GD MA728TX

RLO8A3-T

Diode (LED) Diode

COIL I.F. Transformer

VARIABLE RESISTORS EVLHFAA06A14 Volume Control V.R. Published Street V.R. Semi V.R. Semi V.R.

RRN3A01B13WA Semi V.R. EVNDXAA02B32 Semi V.R.

- 2. The circuit shown in () on the conductor indicates printed circuit on the front side of the printed circuit board.
- 3. The symbols () shown in the circuit board indicate connection points between conductors on the front side and back side of the circuit board.
- . This circuit board diagram may be modified at any time with the development of new technology.

Ref. No.	Parts No.	Ref. No.	Parts No.	
RE	SISTORS	CAPACITORS		
1.4.17	ERJ6GEYJ562V	C1.7	ECUV1C104MBN	
2.6	ERJ6GEYJ222V	C2 T	ECUV1H473MBN	
3 .	ERJ6GEYJ472V	C3.8	ECEA1CKS100I	
5.26	ERJ6GEYJ102V	C4.18	ECUV1H472MBN	
7	ERJ6GEYJ392V	C5	ECUV1H222MBN	
8.27	ERJ6GEYJ822V	106	ECUV1H471KBN	
9	ERJ6GEYJ105V	C9.16	RCSTOGY475RE	
10	ERJ6GEYJ104V	C10 T	ECEAOJK220IV	
11	ERJ6GEYJ220V	C11.13.30	ECEAOGKS1011	
13.15	ERJ6GEYJ120V	C12.33	ECEAOGKS221I	
14	ERJ6GEYJ103V	C14 🗇	ECEAOGK470BI	
16.25	ERJ6GEYJ331V	C15	ECUV1H152KU	
18	ERJ6GEYJ272V	C17 🗊	ECEG1EKS4R71	
19.20	ERJ6GEYJ821V	C19,21,31	ECUV1H102MBN	
21	ERJ6GEYJ222V	C20	ECEA1HKS2R2I	
22	ERJ6GEYJ470V	C22	ECUV1E223MBN	
23	ERJ6GEYJ1ROV	C23	ECUV1C224ZFM	
24 📆	ERSL43JR70U	C24	ECUV1C104MBM	
28,31 🗓	ERSL43JR153V	C25	ECUV1E103MBN	
29	ERJ6GEYJ182V	C26	ECEA1EK4R7B	
		C27,29 T	ECEGOGKS470	
CHIP JUMPERS		C32 T	RCST1AY105RE	
J1-3	ERJ8GEY0R00V			
114-8	ERJ6GEY0R00V			
_				

RFA78ZA

RJJD3M6ZB-C

RJJ4302-C

-8-

Switch (Motor)

MIC/Monitor Jack DC IN Jack

Notes:

TAPE SPEED ADJUST METHOD

- (1). Adjust VR2 at center position. (which has defeat position)
- (2). Take B point short, A point open and push "PLAY" button. Then Adjust VR4, you'll get 3kHz output signal. (3kHz \pm 50Hz)
- (3). Take B point open, A point short and push "PLAY" button. Then Adjust VR3, you'll get 3kHz output signal. (3kHz \pm 50Hz)
- (4). If you Adjust VR4 again, please repeat (1). (2). (3). steps.
- (5). After (1). (2). (3). (4). steps, please B point short, A point open tape speed has adjusted completely.

NOTES:	District Dis
BLK Black	PNK Pink
BLUBlue	REDRed
BRNBrown	SLDShield Wire
GRY Gray	VLT Violet
GRNGreen	WHT White
L.BLU Light Blue	YELYellow
ORGOrange	
	· : Chip resistor
	: Chip jumper (0Ω)

RQ-L340 RQ-L340

MECHANISM PARTS LOCATION Front View Rear View **SPECIFICATIONS** M62 M22 Pressure of pressure roller $160 \pm 40g$ M26 M23 Takeup torque M48 $36\pm14 \text{g cm}$ *Use cassette torque •FF/REW: 110 ± 50 g-cm M33 meter...QZZZRKCT M24 Wow and flutter: (JIS) Less than 0.25% (WRMS) *Use test tape ······QZZCWAT Mechanism Operation: Auto Stop M33 M64 M57 (0 MI6 M34 M39 M7 M38 M53 8 M56 ■ REPLACEMENT PARTS LIST I Indicates parts that are supplied by TAMACO. (MI) Part Name & Description Part Name & Description Part No. Part Name & Description Part No. MECHANISM PARTS M27 M28 M31 M32 M33 M34 M35 M36 M37 M38 RFS697ZA RFR43ZA RFN202ZA RFY1038ZA Spring Pinch Roller Ass'y M53 M54 T M55 T M56 M57 T M60 M61 M62 M63 M64 M68 T M69 M70 M71 RFU185ZA Chassis Ass'y AS Lever RFS692ZA RFG140ZA Spring Reel Gear RFG101ZA RFG102ZA Center Gear FF Gear RFS948ZA RFX154ZA Spring Gear Bush RFE304Z RFG103ZA RFY777ZA RFY959ZA RFS693ZA RFJ88ZA RFM113ZA RFD320ZA Motor Ass'y Motor Bracket Play Gear Rec Arm RFI48ZA RFE366ZA RFD318ZA Play Gear Plate Ass'y RFY775ZA Stop Lever Gear Lever Ass V Screw RFS694ZA RFU116ZA Spring Head Base RFS698ZA RFS699ZA XQN16+CF3 RFF50ZA Flywheel RFC5ZA RFD321ZA RFD319ZA M39 M40 M41 M42 M43 M44 M45 M46 M47 RFS700ZA Spring F. R Lever Counter Bracket RFY779ZA RFY958ZA RFY960ZA RFS695ZA RFB81ZA RFB82ZA Spring Head Guide RFE362ZA RFS696ZA RJH0C03MZAB Switch Level Counter Bell RBC329TZA RBC333TZA Spring R/P Head Lock Lever RFS784ZA RFY782ZA RFY783ZA RFE367ZA Spring REW Lever Button, REC M74 TI M75 TI M76 TI RBC330TZA RBC331TZA RBC332TZA M73 M74 M75 M76 RFE363ZA Screw Screw Button, REW Button, FF RFE363ZA RFE364ZA RFY776ZA RFH17ZA XQN2+10F FF Lever Lever Guide Rec Lever Earse Head Ass'y RFS702ZA RFG165ZA Spring Friction Gear Ass'y